Indiana's Response to Intervention Academy

Data Based Decision Making and RTI

Chuck Grable

cgrable@hccsc.k12.in.us

(260) 356-5464

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Components to Consider

- Leadership
- Evidence-based core curriculum, instruction, & interventions/extensions
- Assessment and progress monitoring system
- Data-based decision making
- Cultural responsivity
- Family, community & school partnerships

Integrated System for Academic and Behavioral Supports

Tier 3:

- Few Students
- Increased Frequency
- Longer Duration

Tier 2:

• Small Group

Tier I:

- All Students
- Preventative, Proactive

Services across tiers are fluid and data-driven

<u>Intense,</u> <u>Individualized</u> Support District/Community Team Building Core Team

<u>Targeted,</u> <u>Supplemental</u> <u>Supports</u> **Building Core Team**

Core Curriculum, Instruction, and Learning Environment

Grade Level Teams
Building Core Team
School Improvement Team

Preview: Connecting My Presentation to Indiana's Vision of RTI

- 1. RTI Overview
 - Defining Features & Essential Components
- 2. Integrated Instructional Data Collection & Assessment System
 - Universal Screening
 - Progress Monitoring
- 3. RTI Assessment & SLD Determination
- 4. Support & Monitoring Structures
 - Building Capacity with Stakeholders
- 5. Pearson Inform

Why RTI?

Support for non-Instructional responders Comprehensive accountability screening & justification Early & Assessmenttimely instruction decision alignment making Need **Data-based** Resource & for decision time use making better **IDEA Partnership**

What is RTI?

RTI is the practice of providing high-quality instruction/intervention matched to student needs and

using learning rate over time and level of performance

to

make important educational decisions.

RTI: Defining Features

UNIVERSAL SCREENING

CONTINUOUS PROGESS MONITORING



STUDENT PERFORMANCE

IMPLEMENTATION WITH FIDELITY

CONTINUUM OF EVIDENCE-BASED INTERVENTIONS DATA-BASED
DECISION
MAKING &
PROBLEM
SOLVING



Essential Components of RTI Implementation

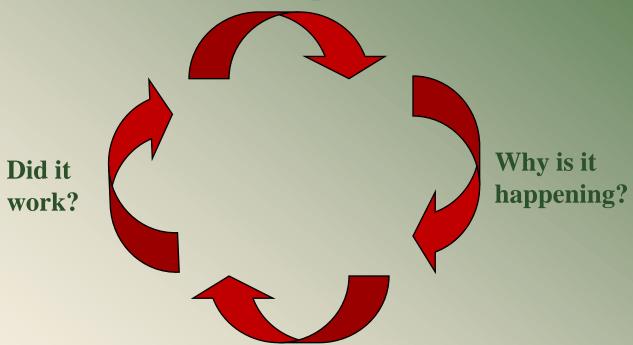
1. Multi-tier model

2. Problem-solving method

3. An integrated data collection & assessment system (Pearson Inform)

Essential Component 2: Problem-Solving Method

What is the problem?



What should be done about it?

Essential Component 3: Integrated Instructional Data Collection/Assessment Systems

- Assessment of
 - Skills in state standards
 - "Marker variables" (benchmarks) leading to ultimate instructional target
- To be administered
 - Efficiently
 - Repeatedly

Provide

- Data specific to strategy implemented
- Individual student progress monitoring data, sensitive to small increments of growth
- Comparison data across students
- User-friendly data displays

Frequent Assessment

"Once-a-year tests are incapable of providing teachers with the moment-to-moment and day-today information about student achievement that they need to make crucial instructional decisions. Teachers must rely on classroom assessment to do this." (Stiggins, 2002)

Leading Measures Rock

"Lagging data cannot easily be used to improve teaching and learning because too much time has elapsed between instruction and assessment. Teachers and principals need high quality leading measures that can provide diagnostic information data that can be used to update continuous improvement plans in real time. Ideally, good leading measures will allow sampling of student performance daily, weekly, or monthly." (Dr. Steve Benjamin, 2006)

Universal Screening

"Schools use universal screenings in essential academic areas to identify each student's level of proficiency (usually three times a year). The screening data are organized in a format that allows for the inspection of both group and individual performance on specific skills. Teachers meet in grade-level or department teams to analyze data on all students, set group goals for the next assessment period, and plan for whole class instructional change based on the data. Interventions at Tier 1 are oriented towards whole-group instructional procedures." (NASDSE)

- Purposes of Universal Screening:
 - > Assessment of the Core Curriculum & Core Instruction
 - > Identify those students who need further interventions at Tier 2

Universal Screening

- HCCSC's Universal Screenings for academics:
 - > NWEA Reading, Lang. Usage, & Math gr. K-12
 - \triangleright DIBELS gr. K-2
 - **>** Quarterly Writing Prompts − gr. K-12
 - ➤ Kindergarten Screening Tool & Marie Clay gr. K
 - Reading Benchmarks (Fountas & Pinnell) gr. K-5
 - **ELA Standard 7 (Listening & Speaking) Rubric gr. K-8**
- HCCSC's Universal Screenings for behavior:
 - # of Office Referrals
 - ➤ Lifelong Guidelines & LIFESKILLS Goal Setting Forms
 - Report card

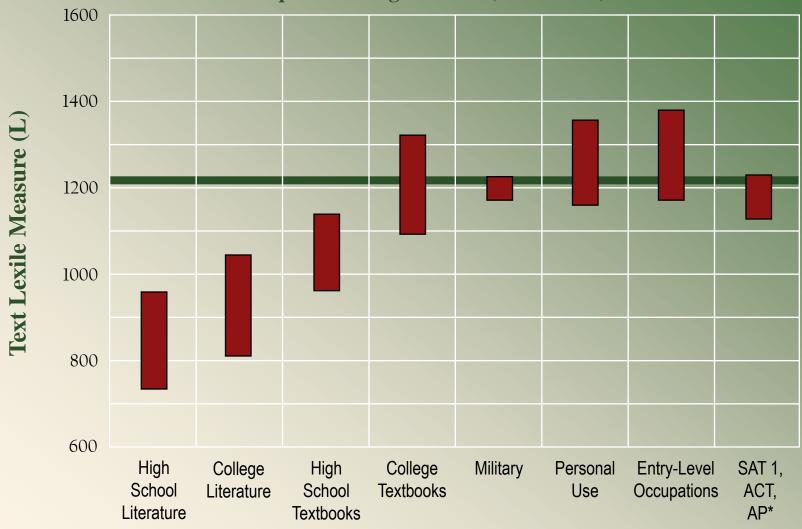
HCCSC's expectations in using NWEA for RTI

- Provide insight into Tier placement to inform on services.
- Use of DesCartes to guide and support instruction.
- Monitor student progress and growth (including High Ability)
- Implement common assessment and practices district-wide (K-12).
- Communicate results to partner with students, teachers, and families.

"We believe students need to be challenged to reach their full potential."

2005-06 Lexile Framework® for Reading Study Summary of Text Lexile Measures

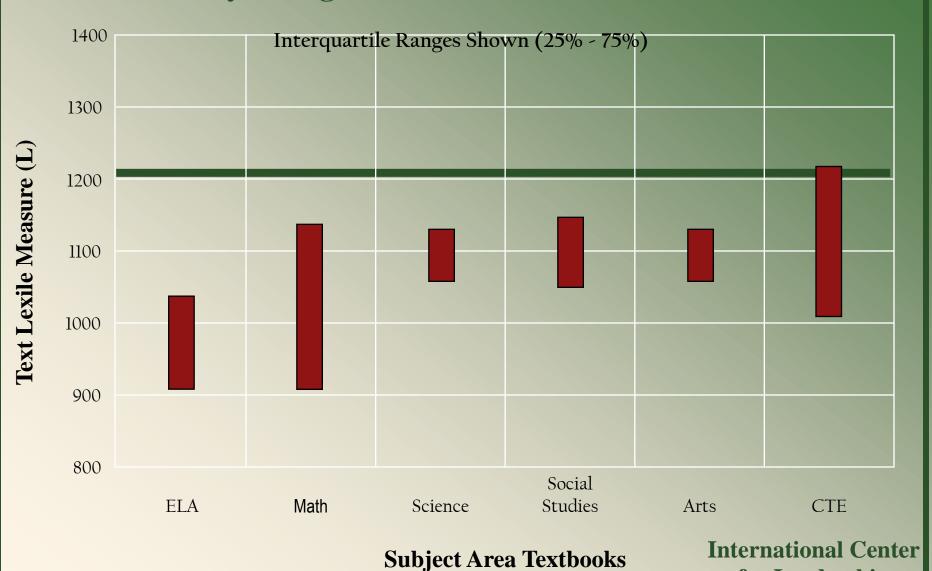
Interquartile Ranges Shown (25% - 75%)



* Source of National Test Data: MetaMetrics

International Center for Leadership

2005-06 Lexile Framework® for Reading Study Summary of High School Textbook Lexile Measures



for Leadership



DIBELS

The Dynamic Indicators of Basic Early Literacy Skills

- A set of standardized, individually administered measures of early literacy development (K-2).
- Designed as short (one minute) fluency measures used to regularly monitor the development of pre-reading and early reading skills.
- A Source of Data for Instruction
- Assesses & Provides Information Regarding:
 - Phonemic Awareness
 - **Phonics**
 - > Reading Fluency

Reading Benchmark

- Formative Reading Assessment
- Data used for Small Group Reading Instruction
- Assesses & Provides Information Regarding:
 - Reading Level
 - > Concept of Print
 - > Text Processing Strategies & Comprehending

HCCSC Writing Prompt

- Formative Writing Assessment
- Assesses & Provides Information Regarding:
 - Using Writing as a Communication Tool
 - > Alphabetic Knowledge
 - **Concepts of Print**
 - > Ability to Hear and Record Sounds
 - **Phonics**

Progress Monitoring

"A scientifically based practice used to assess students' academic performance and evaluate the effectiveness of instruction. Progress monitoring can be implemented with individual students or an entire class. Also, the process used to monitor implementation of specific interventions." (RTI Action Network)

- Short probes that are sensitive to small increments of growth and can be given efficiently & repeatedly
- Purposes of Progress Monitoring:
 - ➤ Assessment of the intervention strategy (determine whether to fade, continue, or change Rule of 4 by 4)
 - > Identify those students who need further interventions at Tier 3

Progress Monitoring

- HCCSC's Progress Monitoring for academics:
 - > NWEA's K-2 progress monitoring assessments in reading & math
 - > DIBELS
 - > Running Records
- HCCSC is still exploring other progress monitoring options, especially for upper grades
- Progress Monitoring Rule: 4/4
- HCCSC's Progress Monitoring for behavior
 - > Daily Progress Report

Daily Progress Report

Goals Mond		lond	ay Tuesday		Wednesday		Thursday		Friday						
Trustworthiness	2	1	0	2	1	0	2	1	0	2	1	0	2	1	0
Truthfulness	2	1	0	2	1	0	2	1	0	2	1	0	2	1	0
Active Listening	2	1	0	2	1	0	2	1	0	2	1	0	2	1	0
No Put-Downs	2	1	0	2	1	0	2	1	0	2	1	0	2	1	0
Personal Best	2	1	0	2	1	0	2	1	0	2	1	0	2	1	0
Total Points															

Example of a Tier 2 or Tier 3 Intervention

RTI Assessments

- Universal Screenings: assessments given to all students; Benchmarking
- **Progress Monitoring** short probes given regularly to struggling students along with intervention instruction

Reading fluency skills

Reading comprehension

- Special education consideration Must have assessments in the 8 areas to identify a specific learning disability:

DIBELS, RR, & NWEA

SLD Determination - IDEA

- (1) Data that demonstrate that prior to, or as part of, the referral process, the child was <u>provided</u> <u>appropriate instruction</u> in regular education settings, delivered by qualified personnel; and
- (2) <u>Data-based documentation of repeated</u>
 <u>assessments</u> of achievement at reasonable intervals,
 reflecting formal assessments of student progress
 during instruction, which was provided to the child's
 parents.

SLD Determination – Article 7

- (b) The CCC must **not** determine that a student is eligible for special education and related services under this article if:
 - (1) The determinant factor is:
 - (A) lack of appropriate instruction in reading, including the essential components of reading instruction, which means explicit and systematic instruction in:
 - (i) phonemic awareness;
 - (ii) phonics;
 - (iii) vocabulary development;
 - (iv) reading fluency, including oral reading skills; and
 - (v) reading comprehension strategies
 - (B) lack of appropriate instruction in math; or
 - (C) limited English proficiency; and
 - (2) a student does not otherwise meet the eligibility criteria under this rule and 511 IAC 7-41.

GEI Transforms to RTI

GEI

- Viewed as a gateway to special education
- Used to accommodate & create access to the curriculum
- Little focus on progress monitoring or data collection
- No longer in IDEA or Article 7
- Little focus on fidelity
- Often more than 1 strategy implemented at one time

- Student focused
- Achievement focused
- Utilizes problem solving process

RTI

- About ALL students' response to interventions
- Focus on systematic data collection & analysis
- Emphasis on systematic universal screening & progress monitoring
- Instructional decisions based on progress monitoring data
- Focus on fidelity
- Implement 1 intervention at a time

HCCSC's RTI Steps

Step 1: Core curriculum & instruction for all students

Universal Supports/Differentiation for all students

Universal screening of *all* students

Data review by Grade-level/Department Team Step 2:

Targeted intervention & progress monitoring for Step 3: low-responders, HA, ENL

Tier 1

Tier 2

Tier 3

Begin documentation (forms & AIP); Informal

parent communication

Step 4: **Data review** by Grade-level/Department Team:

fade, continue, or change intervention (4 by 4)

Step 5: Still low-responding: Refer to RTI Team; **Submit forms & AIP**

Invite parent to RTI Team Meeting

HCCSC's RTI Steps (continued)

Step 6: Intense intervention & progress monitoring for low-responders, HA, ENL

Continue documentation (forms & AIP); Parent notification required (form)

Step 7: Data review by RTI Team: fade, continue, or change intervention (4 by 4)

Step 8: Still low-responding or intervention is so intensive it would qualify for special education: Referral to special education

Step 9: General education & special education personnel collaboratively teach & monitor student progress; adjust IEP and services as needed for eligible students

Tier 3

Building Capacity with Stakeholders

- School Board:
 - Presentations to build understanding of RtI
 - **Core Values:**
 - 1. Lifelong Guidelines, LIFESKILLS, and a Secure Environment
 - 2. High Expectations, High Achievement, and Accountability
 - 3. Focus On The Future
 - 4. Continuous Improvement For All
 - 5. Responsive Communication
 - 6. Evidence-Based Decisions
 - 7. Shared Leadership
 - 8. Stakeholder Focus
 - > Mission
 - > Vision
 - **Board Goals**
 - Including PD goals for board members



Building Capacity with Stakeholders

- School Board:
 - > Stakeholder focus groups identified 7 focus areas:
 - Literacy
 - Mastery of Indiana Academic Standards
 - Stakeholder Satisfaction
 - Leadership Development
 - Safe Learning Environment
 - Career Readiness
 - Wise Use of Resources
 - **Continuous Quality Improvement:**
 - Balanced Scorecard
 - District, Building, & Classroom Dashboards (aligned)
 - S2S Meetings (System to System)
 - CQI tools, i.e.: PDSA (Plan, Do, Study, Act)
 - Classroom Quality Rubrics

Balanced Scorecard

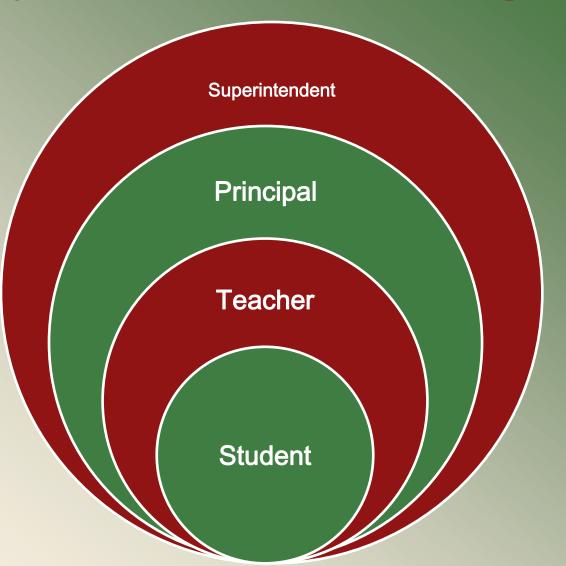
Huntington County Community School Corporation's Balanced Scorecard								
Focus Area	Key Strategies	Performance Indicators (Red designates dashboard indicator)	Measurement Collection Methods (Red designates dashboard indicator)	Bench- mark	Frequency	Location in Report Card	Person Responsible	
1. Literacy	Monitor the implementation of the Elementary Literacy	1.1 % students K-12 reading at or above grade-level	1.1.1 NWEA: % of students at grade-level appropriate RIT/Lexile range; grades K-12	90%	Fall, Winter, & Spring	See chart#		
	Model; especially Guided Reading		1.1.2 DIBELS: % of students meeting benchmark in each area; grades K-2	90%	Fall, Winter, & Spring	See chart#		
	Implement the Secondary Literacy Model		1.1.4 NWEA: % of students meeting fall to spring growth targets; grades K-12	90%	Annually	See chart#		
	Monitor implementation of the HCCSC Response to		1.1.5 ISTEP+; % at pass and pass+; grades 3-8	90% combined	Annually	See chart#		
	Intervention (RTI) Plan Focus on direct instruction		1.1.6 English 10 ECA: % at pass and pass+, grade 10 (reading scores) *	90% combined	Annually	See chart#		
	in reading, K-12 • Differentiation, K-12		1.1.7 SAT Critical Reading: % +/- state & national average		Annually	See chart#		
	Monitor READ 180 Pilot at CV	1.2 % students K-12 mastering language arts standards/skills	1.2.1 NWEA: % of students at grade-level appropriate RIT score; grades K-8	90%	Fall, Winter, & Spring	See chart#		
			2.2.2 Assessment for 9-12 1.2.3 NWEA: % of students meeting fall to spring	90% 90%	Quarterly Annually	See Chart # See chart #		
			growth targets; grades K-8 1.2.4 ISTEP+; % at pass and pass+; grades 3-8	90% combined	Annually	See chart#		
			1.2.5 English 10 ECA: % at pass and pass+, grade 10 (lang. score) *	90% combined	Annually	See chart#		
			1.2.6 AP English Exam: % score a 3 or higher 1.2.7 AP English Exam: % students taking AP	90% 90%	Annually Annually	See chart # See chart #		
		1.3 % students K-12 mastering writing standards/skills	English courses 1.3.1 % of students scoring at a passing level on the Quarterly Writing Assessments; grades K-8	90%	Quarterly	See chart#		
			1.3.2 Assessment for 9-12 1.3.3 ISTEP+; % at pass and pass+; grades 3-8	90% 90%	Quarterly Annually	See chart # See chart #		
			1.3.4 SAT Writing: % +/- state & national average	combined	Annually	See chart#		

Dashboard

	Huntington County Community School Corporation's Dashboard										
Focus Area/Aim	Key Strategies	Performance Indicators	Measurement Collection Methods	Bench- mark	Frequency	Whose Data Folder?					
1. Literacy	Monitor implementation of Literacy Model Direct Instruction,	1.1 % students K-12 reading at or above grade-level	1.1.1 NWEA: % of students at grade-level appropriate RIT/Lexile range; grades K-12 1.1.2 DIBELS: % of students meeting	90%	Fall, Winter, & Spring Fall, Winter,	All Levels All Levels					
	K-12 Differentiation Monitor READ	1.2 % students K-12 mastering language arts standards/skills	benchmark in each area; grades K-2 1.2.1 NWEA: % of students at grade-level appropriate RIT score; grades K-8 1.2.2 Assessment for 9-12	90% 90% 90%	& Spring Fall, Winter, & Spring	All Levels					
	180 Pilot at CV	1.3 % students K-12 mastering writing	1.3.1 % of students scoring at a passing level on the Quarterly Writing Assessments; grades	90%	Quarterly	All Levels					
		standards/skills	K-8 1.3.2 Assessment for 9-12	90%	Quarterly	All Levels					
2. Mastery of Indiana Academic	Monitor implementation of the HCCSC	2.1 % students K-12 mastering math standards/skills	2.1.1 NWEA: % of students at grade-level appropriate RIT score; grades K-12	90%	Fall, Winter, & Spring	All Levels					
Standards	Response to Intervention Plan Monitor HET implementation, K-	2.10 % students on- track to graduate by cohort	2.10.1 HNHS Cohort Pipeline Report	97%	Quarterly	District, Building, & Student					
	12 • Build parent	2.11 % Dropout/Mobility	2.10.1 HCCSC Dropout Report	5%	Quarterly	District & Building					
	 support Using formative instruction data to drive instruction Monitor the 	2.13 % of students earning 2 or more credits in Alternative High School	2.13.1 HNHS Alternative High School Report	100%	Quarterly	District, Building, Teacher, & Student					

System-to-System (S2S) Meetings

- One level of the system meeting with another
- Discuss assessment data
- Discuss strategy implementation to address areas of concern



Classroom Quality Rubric

HCCSC Elementary Classroom Quality Rubric Checklist

Accomplish each task in a level. Seek "certification" by your building principal.

Move on to the next level and repeat.

Quality Level 1

	Quality Ecvel 1	
	Completed teacher customer/stakeholder matrix at the teacher level	
	Facilitated student-generated classroom and personal mission statemen	nt(Gr. K-2 teacher and
	classroom only; gr. 3-12 teacher, classroom, and student)	
	Established and displayed your dashboard of performance indicators	
	Created student data folders aligned with your dashboard	
	Conducted Goal-Setting & Student-Led Conferences	

Related to RtI Implementation

Professional development offered on each rubric indicator

Quality Level 2

Completed all components of Level 1

Completed teacher customer/stakeholder matrix at the teacher and classroom level

Maintained and continually updated your dashboard of performance indicators

Maintained, continually updated, and aligned your student data folders with dashboard

Developed teacher data folder with classroom dashboard data within Pearson Inform

Conducted quarterly System-to-System (S2S) meetings with the principal (team, grade-level, department, or individual)

Demonstrated use of two quality tools for classroom improvement

Conducted quarterly celebrations of performance achievement/progress

Demonstrated use of one ongoing PDSA aligned to the dashboard

Quality Level 3

Building Capacity with Stakeholders

- Faculty, Staff, & Administrators
 - Professional Development:

"Never before has the pressure been so high to find ways to support successful teaching and learning through effective professional development." Salpeter, 2003

Effects on Student Achievement with Students Entering at 50th Percentile (After Two Years)

Most Effective School/Average Teacher

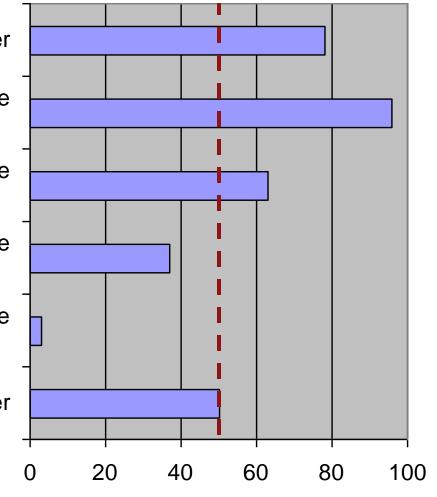
Most Effective School/Most Effective Teacher

Least Effective School/Most Effective Teacher

Most Effective School/Least Effective Teacher

Least Effective School/Least Effective Teacher

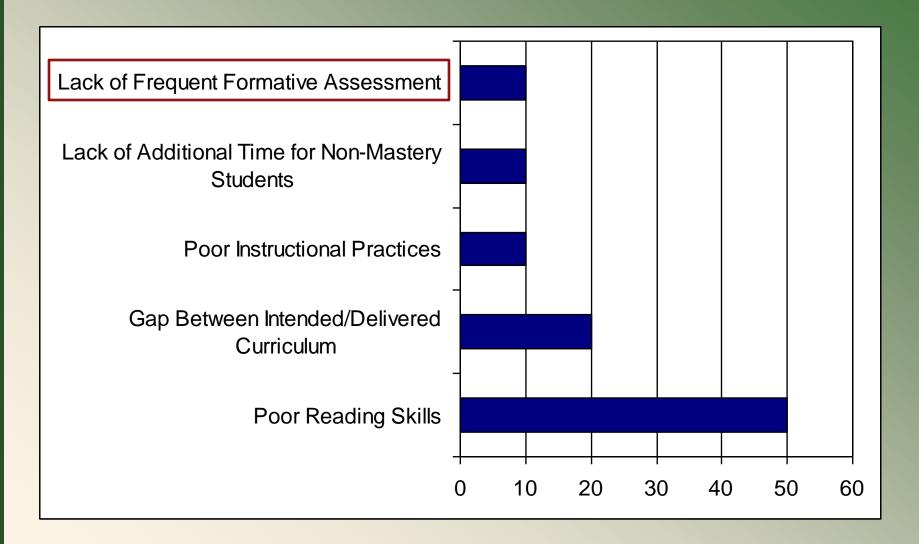
Average School/Average Teacher



Dr. Steve Benjamin

Source: Bob Marzano

Root Causes of Poor Achievement



Dr. Steve Benjamin

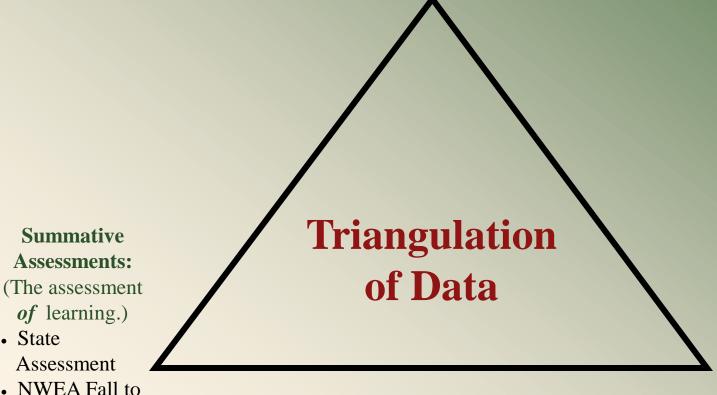
Source: Bob Marzano

Building Capacity with Stakeholders

- Professional Development for Faculty, Staff, & Administrators:
 - > Tier 1
 - Core Curriculum
 - Curriculum Mapping (vertical & horizontal alignment)
 - Development of conceptual, integrated curriculum
 - Core Instruction
 - HCCSC Literacy Model & reading in the content areas
 - Brain-compatible instruction: Highly Effective Teaching Model (Susan Kovalik)
 - o Differentiation
 - Data Collection & Analysis
 - Universal screening & progress monitoring tools
 - Using data to drive instruction
 - Triangulation of data

"Once-a-year tests are incapable of providing teachers with the moment-tomoment and day-to-day information about student achievement that they need to make crucial instructional decisions." (R. Stiggins)

> General classroom performance, classroom assessments, & teacher observation



State

Assessment

Spring Growth

Formative Assessments:

(The assessment *for* learning.)

- NWEA Fall & Winter
- Quarterly Writing
- DIBELS
- Running Records

Building Capacity with Stakeholders

- Professional Development for Faculty, Staff, & Administrators:
 - > Tiers 2 & 3:
 - Specific intervention strategies & tools
 - Implementation fidelity
 - Problem solving process with standard treatment protocols
 - Progress monitoring
 - Don't assume your special education teachers know how to teach reading

Guiding Principles of PD Model

- 1. Teachers cannot change a behavior or practice until they SEE what the new behavior or practice LOOKS like in a real world setting multiple times.
- 2. For professional development to truly be effective and sustained, it must be accompanied with on-going COACHING in a non-threatening environment.
- Professional Development Coordinators provide ongoing training, coaching, & support
 - > Demonstration Classroom Model

Demonstration Classroom Model

Overview of the Model:

- 1. Four comprehensive 8 week training modules for ALL teachers
- 2. Modules include:
 - Goal setting with coach
 - Professional development & coaching on strategies
 - Observations of best practice strategies in the Demonstration Classrooms
 - Time to implement the strategy with follow-up coaching
 - Reflection on goals

Demonstration Classroom Model

Overview of the Model:

- 3. Menu of Professional Development Options:
 - Susan Kovalik's Highly Effective Teaching Model components
 - Balanced Literacy components, especially Guided Reading
 - Math instruction
 - Technology integration
 - Using assessment data to drive instruction
 - Curriculum Mapping
 - RTI implementation



Building Capacity with Stakeholders

- Giving Teachers Tools for Success:
 - **▶** Weekly Structured Collaboration Time 45 Minutes
 - 30 min. delayed start every Wednesday

"The engine that drives high student achievement is teacher teams working collaboratively toward common curriculum expectations and using interim assessments to continuously improve teaching and attend to students who are not successful."

Marshall, 2005

District calendar reflecting delayed starts for teacher' collaboration

2008-2009 Calendar

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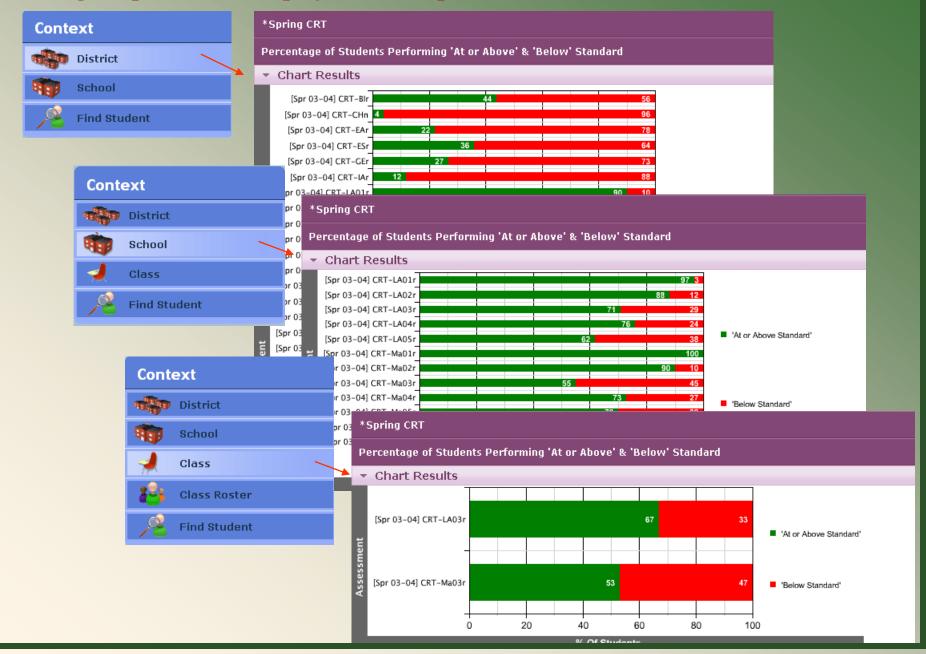


"A place where everyone learns"

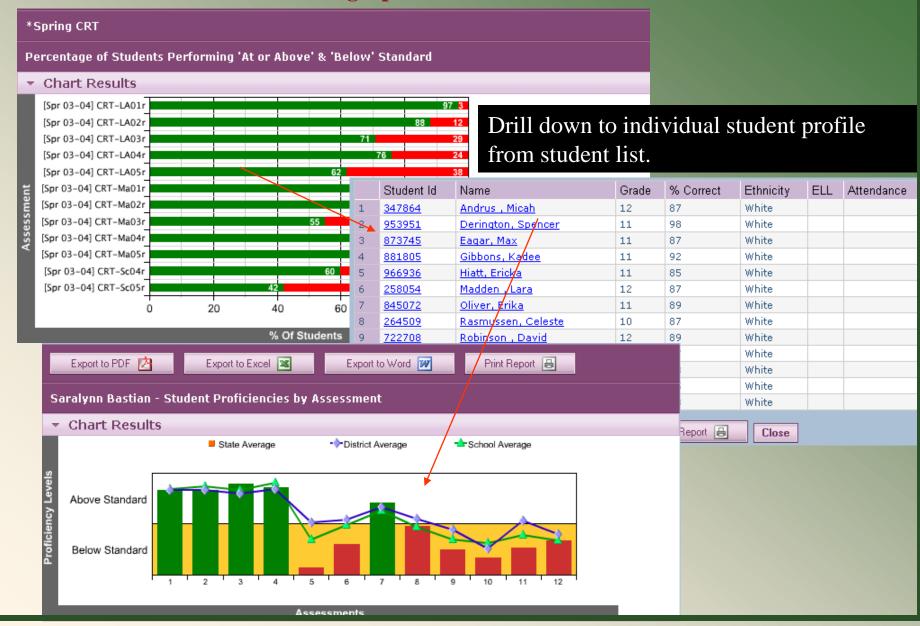
Pearson Inform's Dashboard



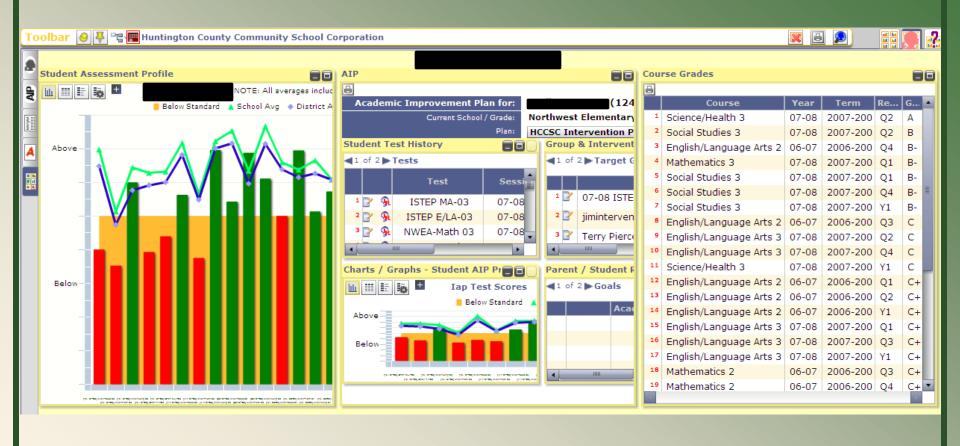
A single report can be displayed at multiple context levels

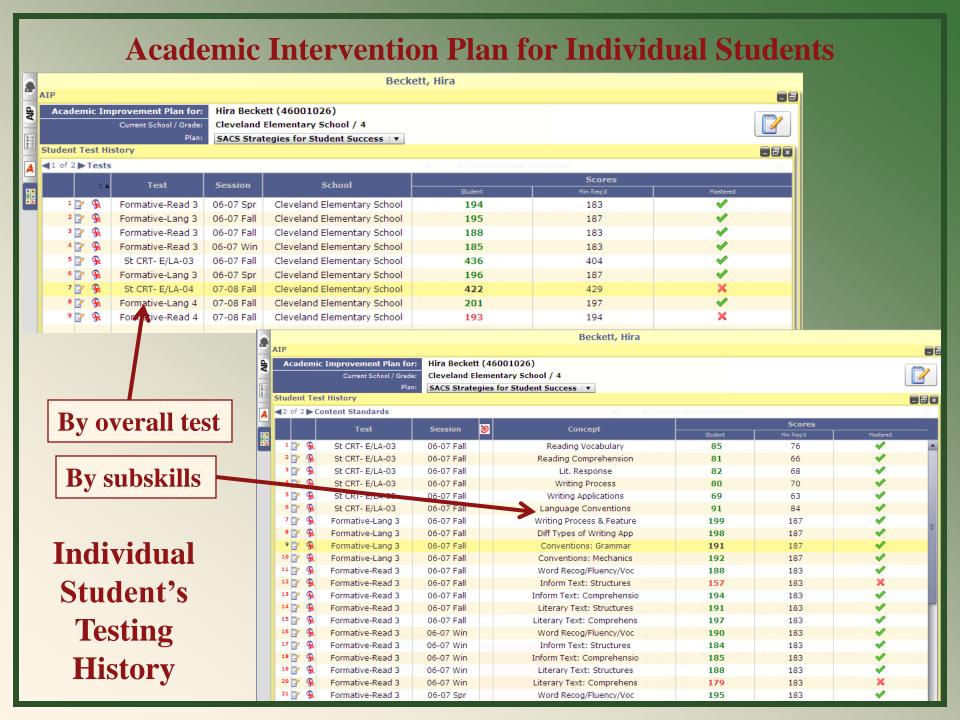


Any score bar in any report can be clicked to reveal student names & demographics



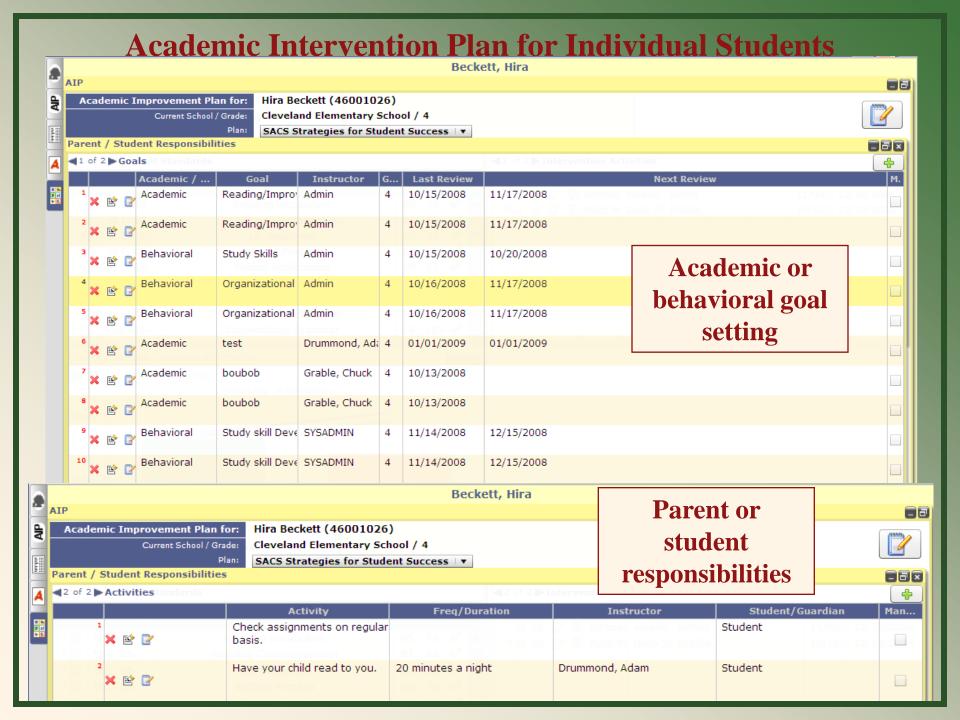
Inform's Student Sandbox



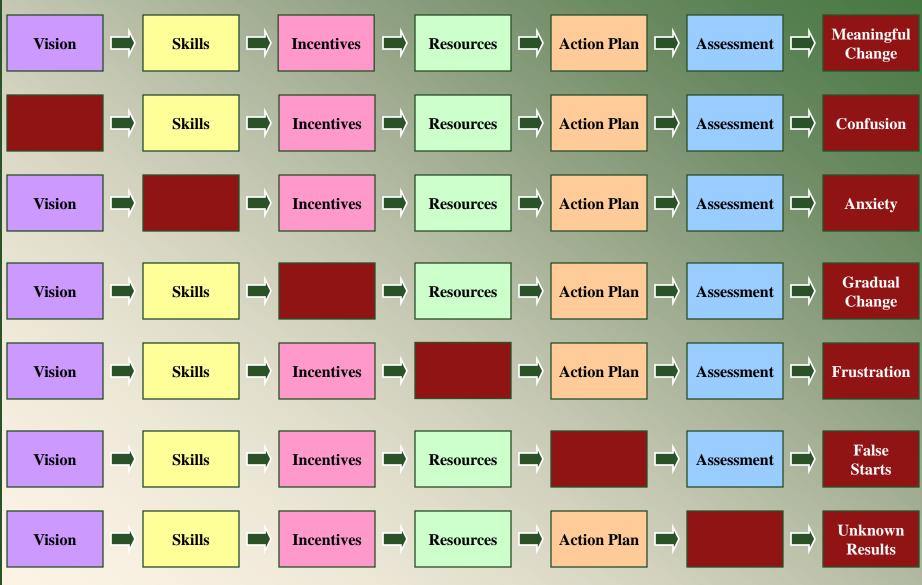


Academic Intervention Plan for Individual Students









"We did then what we knew how to do, when we knew better, we did better." Maya Angelou

Take Home: Connecting My Presentation to Indiana's Vision of RTI

- 1. RTI Overview
 - Defining Features & Essential Components
- 2. Integrated Instructional Data Collection & Assessment System
 - Universal Screening
 - Progress Monitoring
- 3. RTI Assessment & SLD Determination
- 4. Support & Monitoring Structures
 - Building Capacity with Stakeholders
- 5. Pearson Inform

RTI Resources

- <u>www.nasdse.org</u> National Association od State Directors of Special Education
- <u>www.ideapartnership.org</u> IDEA Partnership
- <u>www.rtinetwork.org</u> RTI Action Network
- www.nrcld.org National Research Center on Learning Disabilities
- <u>www.rti4success.org</u> National Center on Response to Intervention
- <u>www.studentprogress.org</u> National Center on Student Progress Monitoring
- <u>www.progressmonitoring.net</u> Research Institute on Progress Monitoring
- <u>www.successfulschools.org</u> National website on Positive Behavioral Support Strategies
- <u>www.pbis.org</u> National Technical Assistance Center on Positive Behavioral Interventions & Supports (PBIS)
- <u>www.thecenter4learning.com</u> Susan Kovalik's Highly Effective Teaching Model
- <u>www.leadered.com</u> International Center for Leadership in Education (Dr. Willard Daggett)
- <u>www.stevebenjamin.net</u> Dr. Steve Benjamin, Continuous Quality Improvement Educational Consultant in Indiana

RTI Resources Continued

- <u>www.nwea.org</u> Northwest Evaluation Association
- <u>www.pearsonschool.com</u> Pearson Inform Data Warehouse & Academic Intervention Plan
- <u>www.rubicon.com</u> Rubicon Atlas Curriculum Mapping Software
- http://teacher.scholastic.com/products/read180/. READ 180 Software
- <u>www.curriculumdesigners.com</u> Dr. Heidi Hayes Jacobs
- <u>www.curriculummapping101.com</u> Janet Hale
- <u>www.teachers.net</u> Dr. Harry Wong

Contact Information

Chuck Grable,
Assistant Superintendent for Instruction
Huntington County Community School Corporation

Instructional Services Center 44 E. Park Drive Huntington, IN 46750

cgrable@hccsc.k12.in.us (260) 356-5464